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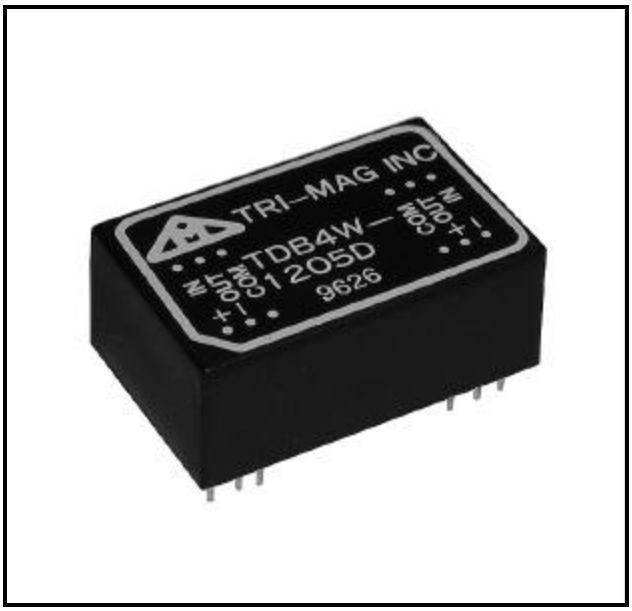
Jameco Part Number 206068

TDB4W SERIES

3 Watt

DC-DC CONVERTER

24 Pin DIP 2:1 Wide Range Input



FEATURES

- PCB Mountable
- High Stable Regulated Output
- Thermally Conductive Encapsulant
- 100% Burn-In And Triple Tested
- MTBF > 400,000 Hours

APPLICATIONS

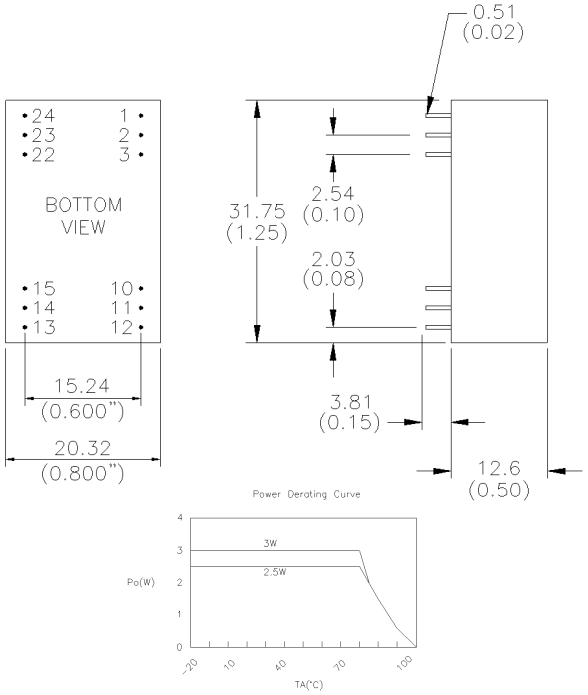
- Local Area Network
- Isolation Devices
- Telecommunications
- Industrial And Testing Equipment
- Battery-Powered Equipment
- Medical Equipment
- Distributed Power Equipment

ELECTRICAL SPECIFICATIONS	
Input Voltage Range	2:1
Output voltage Accuracy	±3%
Load Regulation	±1% (Sing;le Output), ±2.5% (Dual Output)
Line Regulation	± 1%
Ripple & Noise	50mV p-p for 5V, 1% for other voltages
Short Circuit Protection	Fold-back

GENERAL SPECIFICATIONS	
Efficiency (at full load)	70% typical
Isolation Voltage	500VDC
Isolation Capacitance	400pF max.
Operating Frequency	25KHz min.
Operating Temperature	-25ºC to +70ºC
Storage Temperature	-40ºC to +100ºC
Isolation Resistance	10^9 Ohms, min.
weight	0.5 Oz. (14.2 grams)
Case Material	Non-conductive Plastic

TDB4W SERIES SPECIFICATIONS

Model-Type	Input Voltage (Vdc)	Input Current mA (typ)		Output Voltage (Vdc)	Output Current mA (max)
		No Load	Full Load		
TDB4W-0505S	4.5-6.0 (5)	60	770	5	500
TDB4W-0512S		170	930	12	250
TDB4W-0515S		90	880	15	200
TDB4W-0505D		140	810	±5	±250
TDB4W-0512D		180	900	±12	±125
TDB4W-0515D		180	910	±15	±100
TDB4W-1205S	9-18 (12)	35	320	5	500
TDB4W-1212S		30	340	12	250
TDB4W-1215S		40	340	15	200
TDB4W-1205D		140	340	±5	±250
TDB4W-1212D		75	360	±12	±125
TDB4W-1215D		70	360	±15	±100
TDB4W-2405S	18-36 (24)	15	140	5	500
TDB4W-2412S		20	180	12	250
TDB4W-2415S		20	170	15	200
TDB4W-2405D		30	160	±5	±250
TDB4W-2412D		30	190	±12	±125
TDB4W-2415D		40	180	±15	±100
TDB4W-4805S	36-72 (48)	15	85	5	500
TDB4W-4812S		20	90	12	250
TDB4W-4815S		10	95	15	200
TDB4W-4805D		20	80	±5	±250
TDB4W-4812D		20	85	±12	±125
TDB4W-4815D		20	90	±15	±100
S: Single Output	D: Dual Output				



Pin Connections

Pin	Single	Dual
1&24	+ Input	+ Input
2&23	NC	- Output
3&22	NC	Common
10&15	- Output	Common
11&14	+ Output	+ Output
12&13	- Input	- Input